

FORM PTO-1449

U.S. Dept. of Commerce
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Atty Docket No.

P0645P4D2C3

Serial No.

09/717,641

LIST OF DISCLOSURES CITED BY APPLICANT

(Use several sheets if necessary)

Applicant

Garrard et al.

Filing Date

21 Nov 2000

Group

1636

U.S. PATENT DOCUMENTS

Examiner initials		Document Number	Date	Name	Class	Subclass	Filing Date
DL	* 4	4,593,002	03.06.86	Dulbecco, R.			
DL	* 5	5,223,409	29.06.93	Ladner et al.			
DL	* 6	5,403,484	04.04.95	Ladner et al.			
DL	* 7	5,427,908	27.06.95	Dower et al.			
DL	* 8	5,432,018	11.07.95	Dower et al.			
DL	* 9	5,498,538	12.03.96	Kay et al.			
DL	*10	5,534,617	09.07.96	Cunningham et al.			
DL	*11	5,571,698	05.11.96	Ladner et al.			
DL	*12	5,663,143	02.09.97	Ley et al.			
DL	*13	5,688,666	18.11.97	Bass et al.			
DL	*14	5,723,286	03.03.98	Dower et al.			

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FOREIGN PATENT DOCUMENTS

Examiner initials		Document Number	Date	Country	Class	Subclass	Translation Yes	No
DL	*15	WO 90/02809	22.03.90	PCT				
DL	*16	WO 90/04788	03.05.90	PCT				
DL	*17	WO 92/01047	23.01.92	PCT				

OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, etc.)

DL	*18	Armstrong et al., "Domain Structure of Bacteriophage fd Adsorption Protein" <u>FEBS Letters</u> 135(1):167-172 (1981)
DL	*19	Bass et al., "Hormone Phage: An Enrichment Method for Variant Proteins with Altered Binding Properties" <u>Proteins: Structure, Function, and Genetics</u> 8(4):309-314 (1990)
DL	*20	Boeke et al., "Processing of filamentous phage pre-coat protein: Effect of sequence variations near the signal peptidase cleavage site" <u>J. Mol. Biol.</u> 144:103-116 (1980)
DL	*21	Bowie et al., "Deciphering the Message in Protein Sequences: Tolerance to Amino Acid Substitutions" <u>Science</u> 247:1306-1310 (1990)
DL	*22	Chang et al., "High-Level Secretion of Human Growth Hormone by Escherichia coli." <u>Gene</u> . 55:189-196 (1987)
DL	*23	Chang et al., "Nucleotide sequence of the alkaline phosphatase gene of Escherichia Coli" <u>Gene</u> 44:121-125 (1986)
DL	*24	Charbit et al., "Versatility of a vector for expressing foreign polypeptides at the surface of Gram-negative bacteria" <u>Gene</u> 70:181-189 (1988)
DL	*25	Crissman et al., "Gene-III protein of filamentous phages: evidence for a carboxyl-terminal domain with a role in morphogenesis" <u>Virology</u> 132(2):445-455 (1984)
DL	*26	Cunningham and Wells, "High-Resolution Epitope Mapping of hGH-Receptor Interactions by Alanine-Scanning Mutagenesis" <u>Science</u> 244:1081-1085 (1989)
DL	*27	Cunningham et al., "Engineering human prolactin to bind to the human growth hormone receptor" <u>Science</u> 247:1461-1465 (1990)

Examiner

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Date Considered

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*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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- *28 Cwirla et al., "Peptides on phage: a vast library of peptides for identifying ligands" Proc. Natl. Acad. Sci. USA 87(16):6378-6382 (1990)
- *29 De la Cruz et al., "Immunogenicity and epitope mapping of foreign sequences via genetically engineered filamentous phage" Journal of Biological Chemistry 263(9):4318-4322 (1988)
- *30 Devlin et al., "Random peptide libraries: a source of specific protein binding molecules" Science 249:404-406 (1990)
- *31 Fendly, B.M. et al., "Characterization of Murine Monoclonal Antibodies Reactive to Either the Human Epidermal Growth Factor Receptor or HER2/neu Gene Product" Cancer Research 50:1550-1558 (Mar 1, 1990)
- *32 Fuh et al., "The human growth hormone receptor. Secretion from Escherichia coli and disulfide bonding pattern of the extracellular binding domain" Journal of Biological Chemistry 265(6):3111-3115 (1990)
- *33 Gallusser et al., "Initial steps in protein membrane insertion. Bacteriophage M13 procoat protein binds to the membrane surface by electrostatic interaction" EMBO Journal 9(9):2723-2729 (1990)
- *34 Garrard et al., "Fab assembly and enrichment in a monovalent phage display system" Bio/technology 9:1373-1377 (1991)
- *35 Geysen et al., "A priori delineation of a peptide which mimics a discontinuous antigenic determinant" Molecular Immunology 23(7):709-715 (1986)
- *36 Geysen, "Antigen - antibody interactions at the molecular level: adventures in peptide synthesis" Immunology Today 6:364-369 (1985)
- *37 Gussow et al., "Generating Binding Activities from Escherichia coli by Expression of a Repertoire of Immunoglobulin Variable Domains" Cold Spring Harbor Symposia on Quantitative Biology 54:265-272 (1989)
- *38 Huse et al., "Generation of a large combinatorial library of the immunoglobulin repertoire in phage lambda" Science 246:1275-1281 (1989)
- *39 Ilyichev et al., "Obtaining a Viable Variant of Phage M13 with a Foreign Peptide Inserted into the Main Protein of the Envelope" Dokl. Akad. Nauk. SSSR 307:481-3 (1989)
- *40 Jennings et al., "Fimbriae of Bacteroides nodosus: protein engineering of the structural subunit for the production of an exogenous peptide" Protein Eng. 2(5):365-369 (1989)
- *41 Kuhn et al., "Isolation of mutants in M13 coat protein that affect its synthesis, processing, and assembly into phage" Journal of Biological Chemistry 260:15907-15913 (1985)
- *42 Kunkel et al., "Rapid and Efficient Site-specific Mutagenesis Without Phenotypic Selection" Methods in Enzymology 154:367-382 (1987)
- *43 Kurnit et al., "Improved genetic selection for screening bacteriophage libraries by homologous recombination in vivo" Proc. Natl. Acad. Sci. USA 87:3166-3169 (1990)
- *44 Lowman et al., "Selecting High-Affinity Binding Proteins by Monovalent Phage Display" Biochemistry 30(45):10832-10838 (1991)
- *45 Marvin et al., "Filamentous Bacterial Viruses" Bacteriological Reviews 33(2):172-209 (1969)
- *46 Matsumura et al., "Stabilization of phage T4 lysozyme by engineered disulfide bonds" Proc. Natl. Acad. Sci. USA 86:6562-6566 (1989)
- *47 McCafferty et al., "Phage antibodies: filamentous phage displaying antibody variable domains" Nature 348:552-554 (1990)

Examiner

Date Considered

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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~~1646~~ 1636

OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, etc.)

- *48 McFarland et al., "Lutropin-Choriogonadotropin Receptor: An Unusual Member of the G Protein-Coupled Receptor Family" Science 245:494-499 (1989)
- *49 Orlandi et al., "Cloning Immunoglobulin Variable Domains for Expression by the Polymerase Chain Reaction" Proc. Natl. Acad. Sci. USA 86:3833-3837 (May 1989)
- *50 Parmley et al., "Antibody-selectable filamentous fd phage vectors: affinity purification of target genes" Gene 73:305-318 (1988)
- *51 Queen et al., "A humanized antibody that binds to the interleukin 2 receptor" Proc. Natl. Acad. Sci. USA 86(24):10029-10033 (December 1989)
- *52 Rasched et al., "Ff coliphages: structural and functional relationships" Microbiol. Rev. 50(4):401-427 (1986)
- *53 Riechmann et al., "Reshaping Human Antibodies for Therapy" Nature 332:323-327 (Mar 24, 1988)
- *54 Roberts et al., "Directed evolution of a protein: Selection of potent neutrophil elastase inhibitors displayed on M13 fusion phage" Proc. Natl. Acad. Sci. USA 89:2429-2433 (1992)
- *55 Rutter et al., "Redesigning Proteins via Genetic Engineering" Protein Engineering, Oxender & Fox, Chapter 23, pps. 257-267 (1987)
- *56 Sambrook et al. Molecular cloning: a laboratory manual, 2nd edition edition, Cold Spring Harbor, New York: Cold Spring Harbor Laboratory Press pps. 4.17-4.19 (1989)
- *57 Scott and Smith, "Searching for peptide ligands with an epitope library" Science 249:386-390 (1990)
- *58 Scott et al., "Cataloging germline immunoglobulin V(lambda) genes by direct analysis of cellular DNA" ICSU Short Reports, Volume 2: Advances in Gene Technology: Molecular Biology of the Immune System (Miami Winter Symposium (17th:1985)), Streilein et al., ICSU Press pps. 289-290 (1985)
- *59 Short et al., "A ZAP: A Bacteriophage λ Expression Vector with In Vivo Excision Properties" Nucleic Acids Research 16(15):7583-7600 (1988)
- *60 Shortle,, "Genetic Strategies for Analyzing Proteins" Protein Engineering, Oxender & Fox (eds.), New York: A.R. Liss, Inc. pps. 103-108 (1985)
- *61 Smith, "Filamentous fusion phage: novel expression vectors that display cloned antigens on the virion surface" Science 228(4705):1315-1317 (1985)
- *62 Smith, "Filamentous phage assembly: Morphogenetically defective mutants that do not kill the host" Virology 167:156-165 (1988)
- *63 Vieira et al., "Production of Single-stranded Plasmid DNA" Methods in Enzymology 153:3-11 (1987)
- *64 Wang et al., "A vector that expresses secreted proteins on the cell surface" DNA 8(10):753-758 (1989)
- *65 Wells et al., "Cassette Mutagenesis: An Efficient Method for Generation of Multiple Mutations at Defined Sites" Gene. 34(2-3):315-323 (1985)
- *66 Wells, J. A., "Additivity of Mutational Effects in Proteins" Biochemistry 29(37):8509-8517 (Sep 18, 1990)

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9/10/02

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